Samsung Color & Monochrome Laser Printers & MFPs

Product Guide

SAMSUNG

All they do is work, work, work.

Even when you love what you do, you still just want to get it done. Samsung printers and multifunction printers are designed with that very goal in mind. They're fast and easy to use. They're reliable and cost effective. They deliver sharp, professional-looking plain paper documents. No matter what you're working for, Samsung is working for you.

Superior Productivity
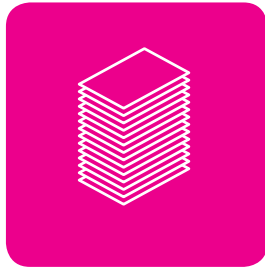
Do more with more.

Higher paper capacities. Faster print speeds. Built-in automatic duplexing. Easier toner systems and low costs per page. Notice a pattern? Samsung imaging products are packed with features that make you more productive.

Higher Quality

It's hard not to notice.

In a recent reliability survey, Samsung does best among laser printers in reliability measures, according to *PC World* magazine (1/05). And not only are our products dependable, they produce professional-quality documents with laser-sharp text, detailed graphics and photo-quality plain paper documents.

Better Solutions

It's better to be first.

The first built-in wireless networking solution for laser printers. The first USB 2.0 port. The first built-in duplex unit. Our ownership of the integrated development and manufacturing processes allows us to deliver the newest technologies fast, and even provides the flexibility to develop customer-specific solutions.

Features and services listed above may vary by model.

Problem solved.

Samsung printers are so reliable and easy to use, it's a surprise when a problem occurs. But with our new Dr. Printer diagnostic software, you can be back in business with just a couple of clicks of the mouse.

Dr. Printer quickly eliminates printer problems and the need for searching and downloading drivers and software. This intelligent system will identify your printer model and provide recommended updates and fixes, so your system can be up and running, and stay running, in no time.

If you ever have a problem with your printer or MFP, just visit www.samsungdp.com to access the free Dr. Printer program.

• Updates your printer/MFP to the latest driver
• Easy to use through direct PC/printer connections as well as multiple printer networks
• Automates driver installation and reinstallation
• Automatic driver diagnosis and settings
    - Set printer default
    - Change printer port
    - Check communications connection between printer and your system
    - Delete pending jobs
    - Set online status
    - Diagnose standalone and network printers

Need more help?

If you still have questions, you can visit www.samsung.com/printer to access our printer support web page, where you can find answers to common questions, and download manuals and software.

Or if you want to talk to one of our Samsung Customer Support Representatives, call our U.S.-based Customer Support Center toll-free at 1-800-SAMSUNG (1-800-726-7864).

• Toll-free call
• Speak with a Customer Support Representative
• No charge for support, whether in warranty or out of warranty
• Shortest hold time in the industry, less than one minute average
• Telephone resolution rate as high as 97%

Create your own advantages.

Samsung delivers a complete range of document solutions, turning department challenges into organizational advantages.

Connectivity solutions.

In addition to USB and parallel ports, most Samsung printers and MFPs feature standard or optional 10/100 Base-TX Ethernet network connectivity plus 802.11b wireless network compatibility, so you can grow your business the way you want.
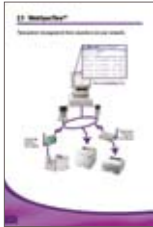
Device management solutions.

Using our SyncThru solutions, it's easy to manage any printer on the network, from any PC on the network. Our exclusive SyncThru and WebSyncThru applications make it easy to install, control and manage Samsung network printers through dedicated software or a standard web browser. Obtain device status, update device software, receive alerts and more.

Job accounting solutions.

Did you know the cost associated with printing and handling documents is the third highest in most organizations behind human resources and rent? Samsung printers provide full compatibility with Print Audit 4 software, so you can reduce this cost by up to 30 percent in three easy steps.

Analyze Track all local and network print volumes and report findings in the form of pre-formatted, user-defined reports and graphs.

Reduce Define user quotas and job limits, or redirect print jobs to more efficient printers to cut and control overall print costs.

Recover Integrate captured print data with virtually any accounting program to recover billable printing costs from users or customers, resulting in substantial savings and/or revenue.

Network scanning solutions.

How do you email a hard copy? With a Samsung MFP. Our powerful laser multifunction products are even more powerful as part of a network. With our quick and easy Scan-To-Email feature, you just scan your single- or double-sided document, select a recipient from the address book and send it on its way, all right from your Samsung MFP. You can even input addresses directly with an optional integrated keyboard. Scan-To-File functionality lets you scan a document directly to any computer on the network.

Healthcare solutions.

Print, copy, fax and scan. It's all in a day's work at hospitals and doctor's offices around the world. And Samsung office products have the built-in security and convenience features healthcare providers need; features that support HIPAA compliance and help assure patient privacy.

Easy Wristband Printing There's no room for error when it comes to patient identification. Together, Samsung and LaserBand® provide a complete ID solution that makes it easy to create wristbands, charge labels and more with any Samsung laser printer. LaserBand tear-proof, moisture-proof wrist and ankle bands provide a large area for printing names, account numbers, bar codes and even patient photos.

Privacy Policy Facedown output trays, secure fax functions, secure network scanning and so much more. Samsung printers and MFPs are packed with the features needed to maintain the high level of patient privacy essential in today's healthcare environment.

Media Flexibility Samsung printers and multifunction products support a wide range of sheet fed labels, tags, forms, card stock and more. Plus, internal barcode and custom electronic-form support can eliminate the need for preprinted documents.

Office Efficiency In addition to all the important features that make our products so uniquely ideal for the healthcare industry, Samsung printers and MFPs deliver world-class all-around performance, like fast print speeds, flexible connectivity, money-saving efficiency and more.

Document management solutions.

With Samsung multifunction products, converting piles of paper into organized, searchable and shareable digital files is a point-and-click operation. We partnered with ScanSoft® to ensure maximum compatibility with their popular PaperPort® software and deliver an integrated document management solution that allows individuals and workgroups to enjoy easy-to-use scanning and image clean-up, PDF creation and more. You'll not only free up valuable office space, you'll also become a more efficient operation overnight by more easily managing the document lifecycle with electronic filing and more.
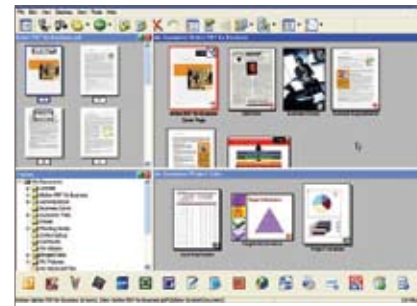
Samsung CLP-510/550 Series Color Laser Printers

Samsung CLP-510/550 series color laser printers offer the most complete solutions in the category. Fast, versatile and durable, they're packed with every feature you need to do business more brilliantly.

Superior Print Speeds Our CLP-510 series printers deliver all the speed you need, printing in black at up to 25 pages per minute and in color at up to 6 pages per minute.

Built-In Duplex Printing Save time, money and enjoy error-free two-sided printing with a built-in duplex unit that makes it easy to print both sides of a page.

Higher Paper Capacity With one of the highest built-in paper capacities in the category, you can print 350 pages without ever having to reload. And a second paper cassette is available for even greater capacity.

Low Cost Per Page Our CLP-510/550 series printers have the lowest running cost in their class.

Whisper-Quiet Operation With fewer moving parts, our exclusive NO NOIS™ technology allows our CLP-510/550 series color laser printers to operate at a quiet 49 dBA, making for a more comfortable, less stressful workplace environment.
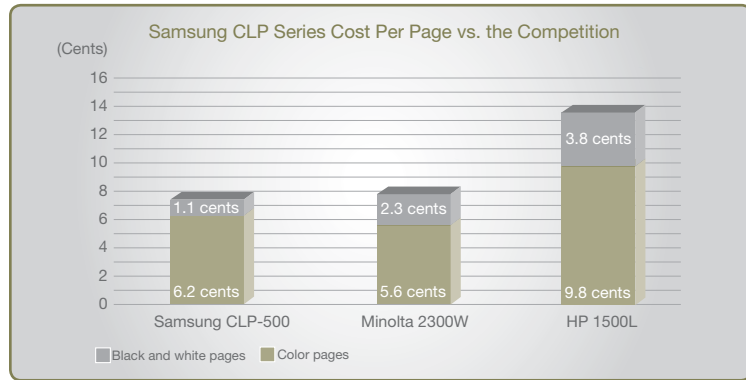
Versatile Connectivity With USB 2.0, IEEE-1284 parallel, Ethernet and 802.11b wireless interfaces, CLP-510/550 series printers are ready for easy plug-and-print setup with almost any application (standard connectivity varies by model).
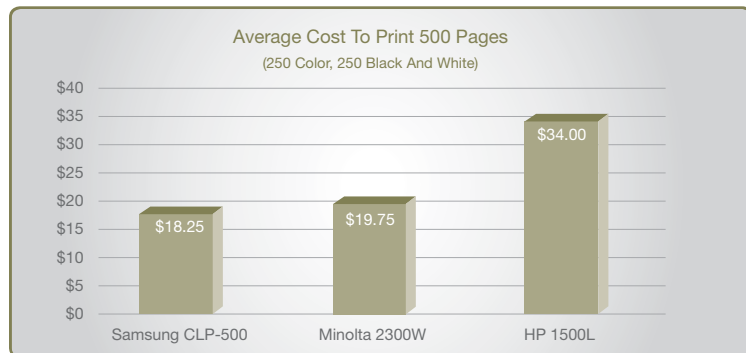
Check the specs.

Compare Samsung CLP Series printers to the competition, and it's easy to see our color laser printers are the fastest and quietest. What you won't find in their brochures, however, is the CLP Series' cost of ownership advantage. But in fact, as soon as we introduced our CLP series printers, the CLP-500 was independently tested to be the most cost-effective among key competitors, delivering the lowest cost per page and lowest total cost of ownership when printing both color and black and white.

Save big when printing both color and black and white.

Samsung CLP Series Cost Per Page vs. the Competition

(Cents)

	Samsung CLP-500	Minolta 2300W	HP 1500L
Black and white pages	1.1 cents	2.3 cents	3.8 cents
Color pages	6.2 cents	5.6 cents	9.8 cents

Compared to the Samsung CLP Series printer, the cost of printing one color and one black and white page is almost 8% higher for the Minolta 2300W and a staggering 86% higher for the HP 1500L.

Save almost $160 on every box of paper printed.

Average Cost To Print 500 Pages
(250 Color, 250 Black And White)

Samsung CLP-500	Minolta 2300W	HP 1500L
$18.25	$19.75	$34.00

With its significantly lower cost per page, a Samsung CLP Series color laser printer can save you up to $15.75 in printing costs each ream. That's almost $160 per 10-ream box.

Test Methodology Summary NSTL, Inc. conducted an independent cost per page analysis that included three high-quality color laser printer models. The cost per page analysis is a comparison of the indices that could be used to forecast possible printing costs after the purchase of the printers. Each printer's index is arrived at by summing the individual consumables' cost per page. The individual consumable cost per page is calculated by dividing the accumulated consumable yield from all test runs into the total cost of the consumables utilized by those runs. Toner yield output is defined as the total of all printed sheets, for six cartridges of each color (including black), that did not contain a major permanent print error (e.g. print quality deemed unacceptable). Drum yield output is defined as the total number of sheets printed, regardless of print quality, while printing with a specific drum. NSTL concluded that the Samsung CLP-500 offered the lowest cost per page and the lowest total cost of ownership, and that the "difference in the cost per page could save the end user a significant amount of money over the life of the printer." All figures noted are from NSTL's independent test.

CLP-510/510N Color Laser   CLP-550/550N Color Laser

A new level of productivity. The CLP-510 and CLP-510N network printer are packed with innovations that make it easy to create your most valuable documents ever.

It's nice to have more power when you need it. The CLP-550 and CLP-550N offer increased power and expandability for bigger workloads.

Product Specifications	Best for small businesses	Best for workgroups
Printing		
Technology	Laser	Laser
Print Speed[1] (Mono/Color)	Up to 25 ppm/6 ppm	Up to 21 ppm/5 ppm
Duplex Print Speed[1] (Mono/Color)	Up to 11 ipm/6 ipm	Up to 10 ipm/5 ipm
First Page Out[1] (Mono/Color)	Less than 13 sec./21 sec. (from Ready)	Less than 15 sec./24 sec. (from Ready)
Print Resolution	Up to 1200 x 1200 dpi effective output	Up to 1200 x 1200 dpi effective output
Processor	Samsung SPGPm	266 MHz
Memory, Standard	64 MB	550: 64 MB, 550N: 128 MB
Memory, Maximum	192 MB	550: 320 MB, 550N: 384 MB
Duty Cycle (Black)	Up to 35,000 pages per month	Up to 35,000 pages per month
Print Language	SPL-C (host-based printing)	PCL 5e, PostScript Level 3
Connectivity		
Connectivity, Standard	510: Hi-Speed USB 2.0 510N: Hi-Speed USB 2.0, 10/100 Base-TX Ethernet	550: Hi-Speed USB 2.0, IEEE-1284 parallel 550N: Hi-Speed USB 2.0, IEEE-1284 parallel, 10/100 Base-TX Ethernet
Connectivity, Optional	510: 10/100 Base-TX Ethernet, 802.11b wireless 510N: 802.11b wireless	550: 10/100 Base-TX Ethernet, 802.11b wireless 550N: 802.11b wireless
Paper Handling		
Input Capacity, Standard (Tray 1, Multi-Purpose Tray)	250-sheet cassette, 100-sheet multipurpose tray	250-sheet cassette, 100-sheet multipurpose tray
Input Capacity, Optional	500 sheets	500 sheets
Output Capacity, Standard (Face-Down)	250 sheets	250 sheets
Two-Sided Printing	Automatic	Automatic
Media Sizes (Up to)	8.5" x 14" (legal size)	8.5" x 14" (legal size)
Media Weights	Cassette: 16 – 24 lb., multipurpose tray: 16 – 43 lb.	Cassette: 16 – 24 lb., multipurpose tray: 16 – 43 lb.
Supported Operating Systems		
Microsoft® Windows[§]	Windows 98, Me, 2000, XP, 2003 Server	Windows 98, Me, NT 4.0, 2000, XP
Apple® Mac OS®[*]	OS 10.3	OS 8.6 – 9.2, 10.1 – 10.3
Linux[§]	Red Hat, Caldera, Debian, Mandrake, Slackware, Turbolinux, SuSE (via USB only)	Red Hat, Caldera, Debian, Mandrake, Slackware, Turbolinux, SuSE
General		
Standard Fonts (Scalable, TrueType)	N/A	45, 136
Acoustics[†]	49 dBA	48 dBA
Power Consumption (Printing, Power Save)	450 watts, 17 watts	450 watts, 35 watts
Dimensions (W x D x H)	20.1" x 18.5" x 15.9"	20.1" x 18.5" x 15.9"
Weight	70.5 lbs.	70.5 lbs.
Supplies[‡]		
Toner Yield (Mono, Color)	Up to 7,000 pages, 5,000 pages (starter: 3,000, 2,000)	Up to 7,000 pages, 5,000 pages
Black Toner (3,000 pages, 7,000 pages)	CLP-510D3K, CLP-510D7K	CLP-500D7K
Cyan Toner (2,000 pages, 5,000 pages)	CLP-510D2C, CLP-510D5C	CLP-500D5C
Magenta Toner (2,000 pages, 5,000 pages)	CLP-510D2M, CLP-510D5M	CLP-500D5M
Yellow Toner (2,000 pages, 5,000 pages)	CLP-510D2Y, CLP-510D5Y	CLP-500D5Y
OPC Drum	CLP-510RB, Yield: up to 50,000 images	CLP-500RB, Yield: up to 50,000 images
Waste Toner Container	CLP-500WB, Page yield: up to 12,000 black, 3,000 color	CLP-500WB, Page yield: up to 12,000 black, 3,000 color
Image Transfer Belt	CU-510RT, Yield: up to 50,000 images	CU-500RT, Yield: up to 50,000 images
Accessories		
Second Paper Cassette	CLP-510S5	CLP-500S5
Wired Network Solution	ML-00NC	ML-00NC
Wired + Wireless Network Solution	ML-00LC	ML-00LC
Memory Upgrades	ML-00MC (64 MB), ML-00MD (128 MB)	ML-00MC (64 MB), ML-00MD (128 MB)

Samsung Photo Printers

Surround yourself with beautiful views. Samsung photo printers make it easy to turn a digital image into a lab-quality 4" x 6" photograph in just 60 seconds.

Better Than Inkjet Sophisticated Dye Diffusion Thermal Transfer print process delivers photos visibly superior to those from inkjet printers.

Computer-Free Printing All you need is a camera and these printers to print beautiful pictures. No computer required.

Print Your Way Print photos fast, from Windows or Macintosh, via high-speed USB 2.0.

Large or Small Print borderless, full-size 4" x 6" photos or smaller.

Easy Editing The SPP-2040 adds a 7-in-1 memory card slot and a 2-inch color LCD that allows you preview, rotate and zoom to create exactly the photo you want, even when you're away from your computer.

Get Unplugged Convenient Bluetooth option lets you print directly from your Bluetooth-enabled camera, camera-phone or computer.

Long-Term Memories A water- and fade-resistant coating protects images from sunlight and fingerprints.

The SPP-2020 is available accented in high-tech silver or high-style red, and prints beautiful photos just the way you like them.

In addition to 60-second print speeds and more, the SPP-2040 includes a convenient 7-in-1 memory card reader and 2-inch color LCD for editing.

Product Specifications	Best for home	Best for home
Printing		
Technology	Dye Diffusion Thermal Transfer	Dye Diffusion Thermal Transfer
Print Speed[1]	Less than 60 seconds per print	Less than 60 seconds per print
First Print Out[1]	Less than 75 seconds	Less than 75 seconds
Print Resolution	Lab-quality prints using dye sub technology	Lab-quality prints using dye sub technology
Memory (Flash, DRAM)	1 MB, 16 MB	4 MB, 32 MB
Operating System Compatibility[6]	Windows 98, Me, 2000, XP; Mac OS 10.3	Windows 98, Me, 2000, XP; Mac OS 10.3
Emulation	JPEG	JPEG
Connectivity		
Connectivity, Standard	PC: USB 2.0, Direct: USB 1.1	PC: USB 2.0, Direct: USB 1.1
Connectivity, Optional	Bluetooth	Bluetooth
Memory Card Reader	N/A	xD-Picture Card, CompactFlash Type I and II (and Microdriver), MultiMedia Card, Memory Stick, Memory Stick-PRO (serial type), Secure Digital, SmartMedia
Direct Printing	PictBridge™	PictBridge™
Paper Handling		
Media Size	4" x 6"	4" x 6"
Input Capacity	20-sheet cassette	20-sheet cassette
Output Capacity	10-sheet tray (face up)	10-sheet tray (face up)
General		
Display	N/A	2" adjustable color TFT LCD
Operating Conditions	50° – 89° F (10°C – 32°C), 20% – 80% relative humidity	50° – 89° F (10°C – 32°C), 20% – 80% relative humidity
Acoustics[7]	Less than 55 dBA	Less than 55 dBA
Power Requirements	110 ~ 240 VAC, 50/60 Hz, 1.5A	110 ~ 240 VAC, 50/60 Hz, 1.5A
Power Consumption	Print: 40 watts, Standby: 10 watts	Print: 40 watts, Standby: 10 watts
Dimensions (W x D x H)	7.1" x 5.4" x 2.4"	7.1" x 5.4" x 2.6"
Weight	2.2 lbs. (without cassette)	2.4 lbs. (without cassette)
Warranty	1 year from date of purchase or 2,000 prints, whichever comes first	1 year from date of purchase or 2,000 prints, whichever comes first
Supplies		
Samsung Print Packs	IPP-4640G (40 sheets of 4" x 6" photo paper and print ribbon) IPP-46120G (120 sheets of 4" x 6" photo paper and print ribbon) (Printer ships with a starter pack that includes 10 sheets of 4" x 6" photo paper and print ribbon)	IPP-4640G (40 sheets of 4" x 6" photo paper and print ribbon) IPP-46120G (120 sheets of 4" x 6" photo paper and print ribbon) (Printer ships with a starter pack that includes 10 sheets of 4" x 6" photo paper and print ribbon)
Accessories		
Bluetooth Wireless Adapter	SPP-00BA	SPP-00BA

Samsung Monochrome Laser Printers

With fast print speeds, exclusive features, renowned reliability and more, Samsung laser printers deliver uniquely superior solutions.

One-Touch Access[Δ] No more wasting time with complicated print drivers to find the functions you want. Samsung lets you do it with one touch and then get back to business.

One-Touch TonerSave[Δ] The touch of a button easily extends the life of your toner cartridges by up to 40% when used consistently.

One-Touch Cancel[Δ] Stop print jobs with the touch of a button, then move on with your life.

Two-Sided Printing[Δ] Quickly and easily print on both sides of the paper. Save paper. Save money.

Compatibility[Δ] Samsung printers are widely compatible, supporting a number of operating systems.

Optional Wireless Printing[Δ] Print quickly from a laptop or set up an easily expandable network.

Networking[Δ] Samsung makes networking easy. Many Samsung laser printers are available with a PortThru NIC card and SyncThru network management software for full 10/100 Base-TX network compatibility.

[Δ]Standard features vary by model.

The ML-2010 is a compact personal printer that helps you get the job done quickly and professionally.

Our ML-2250 and ML-2251N printers combine an attractive design with fast print speeds and expandability.

The ML-2550 and ML-2551N deliver the capacity and durability to handle the demands of fast-paced small to medium workgroups.

The ML-3560, ML-3561N and ML-3561ND have the power and speed to help big businesses.

Product Specifications

	Best for home and education	Best for small offices	Best for medium offices	Best for large offices
Printing				
Technology	Laser	Laser	Laser	Laser
Print Speed[1]	Up to 22 ppm	Up to 22 ppm	Up to 25 ppm, Duplex print speed: up to 14 ipm	Up to 35 ppm, Duplex print speed: up to 24 ipm
First Page Out[1]	Less than 10 seconds (from Ready)	Less than 10 seconds (from Ready)	Less than 12 seconds (from Ready)	Less than 9 seconds (from Ready)
Print Resolution	Up to 1200 x 600 dpi effective output	Up to 1200 x 1200 dpi effective output	Up to 1200 x 1200 dpi effective output	Up to 1200 x 1200 dpi effective output
Processor	Samsung 150 MHz	Samsung 166 MHz	Samsung 266 MHz	Samsung 400 MHz
Memory (Standard, Max)	8 MB, 8 MB	16 MB, 144 MB	32 MB, 160 MB	32 MB, 288 MB
Duty Cycle	Up to 5,000 pages per month	Up to 30,000 pages per month	Up to 100,000 pages per month	Up to 150,000 pages per month
Print Language, Standard	SPL (Samsung Printer Language, host-based printing)	PCL 6, IBM ProPrinter, Epson	PCL 6, PostScript Level 3, IBM ProPrinter, Epson	PCL 6, PostScript Level 3, IBM ProPrinter, Epson

Connectivity		ML-2250	ML-2251N	ML-2550	ML-2551N	ML-3560	ML-3561N	ML-3561ND
Hi-Speed USB 2.0	USB 1.1 (compatible with USB 2.0)	Standard	Standard	Standard	Standard	Standard	Standard	Standard
IEEE-1284 Parallel	N/A	Standard	Standard	Standard	Standard	Standard	Standard	Standard
10/100 Base-TX Ethernet	N/A	Optional	Standard	Optional	Standard	Optional	Standard	Standard
Wireless	N/A	802.11b wireless optional		802.11b wireless optional		802.11a/b/g wireless optional		

Paper Handling				
Input Capacity, Standard (Tray 1, Bypass)	150-sheet multipurpose tray, 1-sheet manual tray	250-sheet cassette, 50-sheet multipurpose tray	500-sheet cassette, 100-sheet multipurpose tray	500-sheet cassette, 100-sheet multipurpose tray
Input Capacity, Optional	N/A	250-sheet cassette	500-sheet cassette	500-sheet cassette
Output Capacity, Standard (Face-Down, Face-Up)	100 sheets	150 sheets, 1 sheet	250 sheets, 100 sheets	250 sheets, 100 sheets
Two-Sided Printing	Manual	Manual	Automatic	ML-3560/3561: Optional, ML-3561ND: Automatic
Media Sizes	3" x 5" to 8.5" x 14" (legal)	3" x 5" to 8.5" x 14" (legal)	3" x 5" to 8.5" x 14" (legal)	3" x 5" to 8.5" x 14" (legal)
Media Weights	16 - 43 lb.	Cassette: 16 – 24 lb., multipurpose tray: 16 – 43 lb.	Cassette: 16 – 28 lb., multipurpose tray: 16 - 43 lb.	Cassette: 16 – 28 lb., multipurpose tray: 16 - 43 lb.

Supported Operating Systems				
Microsoft® Windows[5]	98, Me, 2000, XP	95, 98, Me, NT 4.0, 2000, XP	95, 98, Me, NT 4.0, 2000, XP	95, 98, Me, NT 4.0, 2000, XP, 2003 Server
Apple® Mac OS[*6]	OS 10.3	N/A	OS 8.6 – 9.2, 10.1 – 10.3	OS 8.6-9.2, 10.1-10.3
Linux[6]	Various operating systems including Red Hat, Caldera, Debian, Mandrake, Slackware, Turbolinux, SuSE	Various operating systems including Red Hat, Caldera, Debian, Mandrake, Slackware, Turbolinux, SuSE	Various operating systems including Red Hat, Caldera, Debian, Mandrake, Slackware, Turbolinux, SuSE	Various operating systems including Red Hat, Caldera, Debian, Mandrake, Slackware, Turbolinux, SuSE

General				
Standard Fonts (Scalable, Bitmap, PostScript)	Windows fonts	45, 1, N/A	45, 1, 136	45, 1, 136
Acoustics (Printing, Standby)[7]	Less than 53 dBA, less than 35 dBA	Less than 53 dBA, less than 39 dBA	Less than 53 dBA, less than 35 dBA	Less than 55 dBA, Less than 35 dBA
Power Consumption (Printing, Power Save)	320 watts, 8 watts	350 watts, 15 watts	450 watts, 15 watts	600 watts, 11 watts (ML-3560), 13 watts (ML-3561N/3561ND)
Dimensions (W x D x H)	14.1" x 11.8" x 8.5"	14.4" x 17.8" x 10.9"	15.2" x 17.6" x 12.8"	15.6" x 17.8" x 13.9"
Weight	12.1 lbs.	22.7 lbs.	30.6 lbs.	37.5 lbs (ML-3561ND 40.1 lbs.)

Supplies				
Samsung Print Cartridge	ML-2010D3	ML-2250D5	ML-2150D8	ML-3560D6, ML-3560B
Print Cartridge Yield[8] (Standard, Starter) (Up to)	3,000 pages, 1,000 pages	5,000 pages	10,000 pages, 5,000 pages	12,000 pages, 6,000 pages

Accessories				
Second Paper Cassette	N/A	ML-2250S3 (250 sheets)	ML-2150S5 (500 sheets)	Ml-3560S5 (500 sheets)
Network Card (10/100 Base-TX)	N/A	ML-00NC (included on ML-2251N)	ML-00NB (included on ML-2551N)	ML-00NF (included on ML-3561N/3561ND)
Network Card (10/100 Base-TX + 802.11b Wireless)	N/A	ML-00LC	ML-00LC	ML-00LF
PostScript 3 Upgrade	N/A	ML-00PB	Included	Included
Memory Upgrade	N/A	Samsung 100-pin SDRAM (16, 32, 64, 128 MB modules)	Samsung 100-pin SDRAM (32, 128 MB modules)	Samsung 100-pin SDRAM (32,128, 256 MB modules)

Samsung Laser Multifunction Products

Maximize your productivity per square foot. Our laser MFPs are feature-packed, reliable and easy.

TonerSave The touch of a button easily extends the life of your toner cartridges by up to 40% when used consistently.

PowerSave Reduces energy consumption. And utility bills.

PaperSave With our 2-up copy feature, you can quickly and easily copy two pages onto one sheet of paper.

TollSave (available on select models) Easily store documents, then delay transmission until the phone rates are lowest, dramatically reducing telephone costs.

Battery Back-Up Documents are reliably stored in memory, even during a power outage, in the event your MFP runs out of paper.

Dual Access Double your productivity. Send or receive faxes while printing or copying at the same time.

Quick Scan (select models) Scan documents into memory in as little as 1.5 seconds, then move on to your next task.

	SCX-4100 Print, Copy, Scan	SCX-4521F Print, Copy, Fax, Scan	SCX-4720FN Network Print, Copy, Fax, Scan
	The SCX-4100 Digital Productivity Center delivers professional laser output, even on plain paper, at costs significantly less than inkjet.	The compact SCX-4521 is an economical and efficient four-in one solution for home-based and small office settings.	Fast print speeds and network connectivity, plus a USB Direct interface that lets you print, copy, fax and scan without a computer.
Product Specifications	Best for home and students	Best for home and small businesses	Best for businesses
Functions			
Print	Yes	Yes	Yes
Copy	Yes	Yes	Yes
Fax	No	Yes	Yes
Scan	Yes	Yes	Yes
Print			
Print Speed[1]	Up to 15 ppm	Up to 20 ppm	Up to 22 ppm
First Print Out[1]	Less than 12 seconds	Less than 11 seconds	Less than 10 seconds
Print Resolution	Up to 600 x 600 dpi effective output	Up to 600 x 600 dpi effective output	Up to 1200 dpi effective output
Printer Memory	2 MB RAM	10 MB RAM	32 MB RAM (160 MB max.)
Print Language	SPL (Samsung Printer Language, host-based printing)	SPL (Samsung Printer Language, host-based printing)	PCL 6
Duty Cycle	Up to 10,000 pages per month	Up to 4,200 pages per month	Up to 15,000 pages per month
Copy			
Copy Speed[4]	Up to 15 cpm	Up to 20 ppm	Up to 22 cpm
First Copy Out	Less than 12 seconds	Less than 11 seconds	Less than 10 seconds
Copy Resolution (Optical/Enhanced)	Up to 600 dpi/600 dpi effective output	Up to 600 dpi/600 dpi effective output	Up to 600 dpi/4800 dpi effective output
Reduction and Enlargement	Platen: 50 – 200%	Platen 25-400%, ADF 25-100%	Platen 25-400%, ADF 25-100%
Multiple Copies	Up to 99 copies	Up to 99 copies	Up to 99 copies
Fax			
Modem Speed[2]	N/A	33.6 Kbps	33.6 Kbps
Fax Speed[3]	N/A	Approx. 3 sec. per page	Approx. 3 sec. per page
Compatibility	N/A	ITU-T Group 3, ECM	ITU-T Group 3, ECM
Coding Methods	N/A	MH/MR/MMR, JPEG	MH/MR/MMR, JPEG, JBIG
Fax Memory	N/A	2 MB (up to 160 pages)	4 MB (up to 320 pages)
Fax Resolution	N/A	Up to 300 x 300 dpi	Up to 300 x 300 dpi
Quick Dialing	N/A	10 one-touch dial, 90 speed dial	40 one-touch dial, 200 speed dial
Battery Backup	N/A	Up to 72 hours	Up to 48 hours
Scan			
Scan Resolution (Optical/Enhanced)	Up to 600 dpi/4800 dpi	Up to 600 dpi/4800 dpi	Up to 600 dpi/4800 dpi
Scan Technology	Color CIS	Color CIS	Color CCD
Bit Depth (Text, Grayscale, Color)	1 bit, 8 bit, 24 bit	1 bit, 8 bit, 24 bit	1 bit, 8 bit, 24 bit
Scan Size	A4/letter (8.2" x 11.7" effective scan area)	A4/letter (8.2" x 11.7" effective scan area)	A4/letter (8.2" x 14" effective scan area)
Paper Handling			
Max Paper Size	8.5" x 14" legal	8.5" x 14" legal	8.5" x 14" legal
Paper Input Capacity	250-sheet cassette, 1-sheet manual tray	150-sheet multipurpose tray, 1-sheet manual tray	250-sheet cassette, 50-sheet manual tray, (250-sheet cassette optional)
Paper Output Capacity (Face-Down)	50 sheets	50 sheets	150 sheets
Automatic Document Feeder Capacity	N/A	30 sheets	50 sheets
Supplies			
Samsung Print Cartridge	SCX-4100D3	SCX-4521D3	SCX-4720D5, SCX-4720D3
Print Cartridge Yield[5] (Standard, Starter)	3,000 pages, 1,000 pages	3,000 pages, 1,000 pages	5,000 pages, 3,000 pages
General			
Connectivity, Standard	USB 1.1 (compatible with USB 2.0), IEEE-1284 parallel	USB 1.1 (compatible with USB 2.0), IEEE-1284 parallel	USB 2.0, IEEE-1284 parallel, 10/100 Base-TX Ethernet
Connectivity, Optional	N/A	N/A	N/A
Operating System Compatibility[6]	Windows 98, Me, NT 4.0, 2000, XP, Various Linux systems (via USB only)	Windows 98, Me, NT 4.0, 2000, XP; Mac OS 10.3 Various Linux systems (via USB only)	Windows 98, Me, NT 4.0, 2000, XP, Various Linux systems (via USB only)
System Memory	8 MB RAM	16 MB RAM	64 MB RAM
Acoustics[7]	Less than 49 dBA	Less than 55 dBA	Less than 55 dBA
Power Consumption (Sleep, Standby, Operating Average)	10 watts, 85 watts, 300 watts	10 watts, 55 watts, 350 watts	10 watts, 30 watts, 400 watts
Dimensions (W x D x H)	16.6" x 15.7" x 9.4"	17.2" x 14.7" x 14.5"	17.7" x 17.1" x 18"
Weight	21.1 lbs.	22.9 lbs.	36.9 lbs.

SCX-5115/SCX-5315F	SCX-6220/SCX-6320F	SF-560 Fax, Copy	SF-565P Fax, Copy, Print, Scan	SF-755P Fax, Copy, Print, Scan
This 4-in-1 multifunction digital copier, fax (5315F), printer and color scanner is a convenient space-saving unit.	Duplex print, scan and copy plus fax (6320F) and optional network printing and scanning for busy workgroups.	A fast plain paper laser fax and copy solution for busy office environments.	Compact, feature-packed 4-in-1 machine for maximum space savings in small office environments.	A high-capacity, high-speed, full-function 4-in-1 MFP ideal for even the busiest medium-sized offices.
Best for businesses	**Best for businesses**	**Best for businesses**	**Best for small offices**	**Best for businesses**
Yes	Yes	No	Yes	Yes
Yes	Yes	Yes	Yes	Yes
SCX-5315F only	SCX-6320F only	Yes	Yes	Yes
Yes	Yes	No	Yes	Yes
Up to 16 ppm	Up to 22 ppm	N/A	Up to 17 ppm	Up to 17 ppm
Less than 13 seconds	Less than 9 seconds	N/A	Less than 12 seconds	Less than 12 seconds
Up to 1200 dpi effective output	Up to 1200 dpi effective output	N/A	Up to 600 dpi effective output	Up to 600 dpi effective output
8 MB RAM	6220: 32 MB RAM (64 MB max.), 6320F: 48 MB RAM (80 MB max.)	N/A	4 MB	4 MB
PCL 6	PCL 6, Postcript Level 3 optional	N/A	SPL (host-based printing)	SPL (host-based printing)
Up to 18,750 pages per month	Up to 20,000 pages per month	Up to 10,000 pages per month	Up to 10,000 pages per month	Up to 10,000 pages per month
Up to 15 cpm	Up to 22 cpm	Up to 17 cpm	Up to 17 cpm	Up to 17 cpm
Less than 10 seconds	Less than 8 seconds	Less than 30 seconds	Less than 30 seconds	Less than 20 seconds
Up to 600 dpi/1200 dpi effective output	Up to 600 dpi/600 dpi effective output	Up to 300 dpi effective output/N/A	Up to 300 dpi/300 dpi effective output	Up to 600 dpi/600 dpi effective output
25 – 400%	25-400%	50 – 150%	50 – 150%	50-200%
999 pages	999 pages	99 pages	99 pages	99 pages
Fax Specs For SCX-5315F Only	**Fax Specs For SCX-6320F Only**			
33.6 Kbps	33.6 Kbps	33.6 Kbps	33.6 Kbps	33.6 Kbps
Approx. 3 sec. per page	Approx. 3 sec. per page	Approx. 3 sec. per page	Approx. 3 sec. per page	Approx. 2.5 sec. per page
ITU-T Group 3, ECM	ITU-T Group 3, ECM	ITU-T Group 3	ITU-T Group 3, ECM	ITU-T Group 3, ECM
MH/MR/MMR, JPEG	MH/MR/MMR, JPEG/JBIG	MH/MR/MMR	MH/MR/MMR	MH/MR/MMR, JBIG
4 MB (up to 320 pages)	16 MB (up to 1,280 pages)	2 MB (up to 160 pages)	2 MB (up to 160 pages)	5 MB (up to 400 pages)
Up to 400 dpi (200 dpi color)	Up to 400 dpi (200 dpi color)	Up to 203 x 392 dpi	Up to 203 x 392 dpi	Up to 300 x 300 dpi
40 one-touch dial, 80 speed dial	20 one-touch dial, 80 speed dial	20 one-touch dial, 80 speed dial	20 one-touch dial, 80 speed dial	40 one-touch dial, 150 speed dial
72 hours	100 hours	96 hours	96 hours	72 hours
Up to 600 dpi/4800 dpi	Up to 600 dpi/4800 dpi	N/A	Up to 200 dpi/1200 dpi	Up to 600 dpi/4800 dpi
Color CCD	Color CCD	N/A	CIS, Mono	Color CIS
1 bit, 8 bit, 24 bit (32 bit internal)	1 bit, 8 bit, 24 bit (36 bit internal)	N/A	1 bit, 8 bit, N/A	1 bit, 8 bit, 24 bit (32 bit internal)
A4/letter	A4/letter	N/A	8.2" x 15.7"	8.2" x 15.7"
8.5" x 14" legal	8.5" x 14" legal	8.5" x 14" legal	8.5" x 14" legal	8.5" x 14" legal
550-sheet cassette, 100-sheet multipurpose tray	550-sheet cassette, 100-sheet multipurpose tray	250-sheet cassette, 1-sheet manual tray	250-sheet cassette, 1-sheet manual tray	250-sheet cassette, 1-sheet manual tray (250-sheet casssette optional)
250 sheets	250 sheets	150 sheets	150 sheets	150 sheets
30 sheets	50 sheets	20 sheets	20 sheets	50 sheets
SCX-5312D6, SCX-5315R2	SCX-6320D8, SCX-6320R2	SCX-4216D3	SCX-4216D3	SCX-4216D3
Toner: 6,000 pages, Drum: 15,000 pages	Toner: 8,000 pages (Drum: 20,000 pages)	3,000 pages, 1,000 pages	3,000 pages, 1,000 pages	3,000 pages
USB 1.1 (compatible with USB 2.0), IEEE-1284 parallel	USB 2.0, IEEE-1284 parallel	USB 1.1 (compatible with USB 2.0), IEEE-1284 parallel	USB 1.1 (compatible with USB 2.0), IEEE-1284 parallel	USB 2.0, IEEE-1284 parallel
10/100 Base-TX Ethernet, 802.11b wireless	10/100 Base-TX Ethernet, 802.11b wireless	N/A	N/A	N/A
Windows 98, Me, 2000, XP,	Windows 95, 98, Me, NT 4.0, 2000, XP,	Windows 95, 98, Me, NT 4.0, 2000, XP,	Windows 98, Me, 2000, XP,	Windows 98, Me, 2000, XP,
Various Linux systems (via USB only)	Various Linux systems (via USB only)	Various Linux systems (via USB only)	Various Linux systems (via USB only)	Various Linux systems (via USB only)
16 MB RAM	32 MB RAM, 48 MB RAM	8 MB RAM	8 MB RAM	32 MB RAM
Less than 50 dBA	Less than 60 dBA	Less than 52 dBA	Less than 52 dBA	Less than 52 dBA
35 watts, 90 watts, 350 watts	35 watts, 115 watts, 430 watts	12 watts, 85 watts, 300 watts	10 watts, 95 watts, 300 watts	10 watts, 85 watts, 300 watts
21" x 17" x 18"	21.3" x 17.4" x 19.2"	17" x 16.6" x 13.7"	17" x 16.6" x 13.7"	15.1" x 16.4" x 13.2"
55 lbs.	55 lbs.	21.4 lbs.	21.4 lbs.	24.2 lbs.

Color and Monochrome Laser Printers

Supplies / Hardware

Column groups: Color Laser — CLP-500, CLP-500N, CLP-510, CLP-510N, CLP-550, CLP-550N. Mono Laser — ML-1010, ML-1020M, ML-1210, ML-1220M, ML-1250, ML-1430, ML-1440, ML-1450, ML-1451N, ML-1650, ML-1651N, ML-1710, ML-1740, ML-1750, ML-2010, ML-2150, ML-2151N, ML-2152W, ML-2250, ML-2251N, ML-2251NP, ML-2252W, ML-2550, ML-2551N, ML-2552W, ML-3550N, ML-3560, ML-3561N, ML-3561ND, ML-4500, ML-4600, ML-5000A, ML-5000G, ML-5050G, ML-5100A, ML-6000, ML-6040, ML-6050, ML-6060, ML-6060N, ML-6060S, ML-6100, ML-7000, ML-7000N, ML-7000P, ML-7050, ML-7050N, ML-7300, ML-7300N, ML-85, ML-85G, QL-6000, QL-6050, QL-6100, QL-6100N, QL-85G, QL-7000, QL-7000N, QL-7050, QL-7050N, QL-85.

Supply / Hardware	Compatible Models
CLP-500D5C Cyan Toner Yield @ 5% 5,000	CLP-500, CLP-500N, CLP-550, CLP-550N
CLP-500D5M Magenta Toner Yield @ 5% 5,000	CLP-500, CLP-500N, CLP-550, CLP-550N
CLP-500D5Y Yellow Toner Yield @ 5% 5,000	CLP-500, CLP-500N, CLP-550, CLP-550N
CLP-500D7K Black Toner Yield @ 5% 7,000	CLP-500, CLP-500N, CLP-550, CLP-550N
CLP-500RB Drum 50,000 Pages	CLP-500, CLP-500N, CLP-550, CLP-550N
CLP-500RT Image Transfer Unit 50,000 Pages	CLP-500, CLP-500N, CLP-550, CLP-550N
CLP-500WB Waste Toner Bottle	CLP-500, CLP-500N, CLP-510, CLP-510N, CLP-550, CLP-550N
CLP-510D5C Cyan Toner Yield @ 5% 5,000	CLP-510, CLP-510N
CLP-510D5M Magenta Toner Yield @ 5% 5,000	CLP-510, CLP-510N
CLP-510D5Y Yellow Toner Yield @ 5% 5,000	CLP-510, CLP-510N
CLP-510D7K Black Toner Yield @ 5% 7,000	CLP-510, CLP-510N
CLP-510D2C Cyan Toner Yield @ 5% 2,000	CLP-510, CLP-510N
CLP-510D2M Magenta Toner Yield @ 5% 2,000	CLP-510, CLP-510N
CLP-510D2Y Yellow Toner Yield @ 5% 2,000	CLP-510, CLP-510N
CLP-510D3K Black Toner Yield @ 5% 3,000	CLP-510, CLP-510N
CLP-510RB Drum 50,000 Pages	CLP-510, CLP-510N
CLP-510RT Image Transfer Unit 50,000 Pages	CLP-510, CLP-510N
ML-1210D3 Black Toner Yield @ 5% 3,000	ML-1210, ML-1220M, ML-1250, ML-1430, ML-1440, ML-1450
ML-1650D8 Black Toner Yield @ 5% 8,000	ML-1650, ML-1651N
ML-1710D3 Black Toner Yield @ 5% 3,000	ML-1710, ML-1740, ML-1750
ML-2010D3 Black Toner Yield @ 5% 3,000	ML-2010
ML-2150D8 Black Toner Yield @ 5% 8,000	ML-2150, ML-2151N, ML-2152W
ML-2250D5 Black Toner Yield @ 5% 5,000	ML-2250, ML-2251N, ML-2251NP, ML-2252W
ML-2550DA Black Toner Yield @ 5% 10,000	ML-2550, ML-2551N, ML-2552W
ML-3550DF Black Toner Yield @ 5% 25,000	ML-3550N
ML-3550R3 Black Toner Yield @ 5% 50,000	ML-3550N
ML-3560D6 Black Toner Yield @ 5% 6,000	ML-3560, ML-3561N, ML-3561ND
ML-3560DB Black Toner Yield @ 5% 12,000	ML-3560, ML-3561N, ML-3561ND
ML-4500D3 Black Toner Yield @ 5% 3,000	ML-4500, ML-4600
ML+5000D5 Black Toner Yield @ 5% 5,000	ML-5000A, ML-5000G, ML-5050G, ML-5100A
ML-6000D6 Black Toner Yield @ 5% 6,000	ML-6000, ML-6050, ML-6060N, QL-7000N, QL-7050, QL-7050N
ML-6060D6 Black Toner Yield @ 5% 6,000	ML-1740, ML-1750, ML-2010, ML-6050, ML-6060, ML-6060N
ML+7000D8 Black Toner Yield @ 5% 8,000	ML-7000, ML-7000N, ML-7000P, ML-7050, ML-7050N, QL-7000, QL-7000N, QL-7050, QL-7050N
ML-7300DA Black Toner Yield @ 5% 10,000	ML-7300, ML-7300N
ML-C810(E) Black Toner Yield @ 5% 5,000	ML-85, ML-85G, QL-7050N, QL-85

Supplies / Hardware

Supplies / Hardware	Msys-5100P	Msys-5150	Msys-5200	Msys-5500	Msys-5600	Msys-5700	Msys-5700e	Msys-6400	Msys-6600	Msys-6750	Msys-6800	Msys-6900	Msys-7020	Msys-730	Msys-7800	SF-5100	SF-5100P	SF-5100PI	SF-515	SF-530	SF-531P	SF-5600	SF-556P	SF-5600	SF-5700	SF-6000	SF-6100	SF-6800	SF-6800P	SF-6900	SF-7000	SF-7020	Msys-880	Msys-885P	SCX-4016	SCX-4100	SCX-4116	SCX-4216F	SCX-4321	SCX-4520	SCX-4521F	SCX-4720F	SCX-5112	SCX-5112F	SCX-5115	SCX-5115F	SCX-5312F	SCX-5315F	SCX-6220	SCX-6320F	SF-560	SF-565P	SF-750P	SF-755P	SPP-2020	SPP-2040
Fax																																			**MFP/Fax**																				**Photo**	
SF-550D3 Black Toner Yield @ 5% 3,000																					•																																			
SF-5100D3 Black Toner Yield @ 5% 3,000	•															•	•	•	•	•	•																																			
SF-5805D5 Black Toner Yield @ 5% 5,000		•																																																						
SF-5800D5 Black Toner Yield @ 5% 5,000			•																																																					
SF+5500R5 Black Toner Yield @ 5% 5,000				•	•	•																																																		
SF-5556DRTD Black Toner Yield @ 5% 8,000			•	•																		•	•	•																																
SF-6061DRTD Black Toner Yield @ 5% 8,000																										•	•																													
SF+6500R6 Black Toner Yield @ 5% 6,000									•	•																																														
SF-6800D6 Black Toner Yield @ 5% 6,000										•	•	•		•														•	•	•																									
SF+7020R7 Black Toner Yield @ 5% 5,000													•		•																•	•																								
SCX-4100D3 Black Toner Yield @ 5% 3,000																																				•																				
SCX-4216D3 Black Toner Yield @ 5% 3,000																																			•		•	•													•	•	•	•		
SCX-4521D3 Black Toner Yield @ 5% 3,000																																							•		•															
SCX-4720D3 Black Toner Yield @ 5% 3,000																																								•		•														
SCX-4720D5 Black Toner Yield @ 5% 5,000																																								•		•														
SCX-6320D8 Black Toner Yield @ 5% 8,000																																																	•	•						
SCX-6320R2 Drum 20,000 Pages																																																	•	•						
SCX-5312D6 Black Toner Yield @ 5% 6,000																																	•	•									•	•	•	•	•	•							
SCX-5315R2 Drum 15,000 Pages																																	•	•									•	•	•	•	•	•							
IPP-4640G 40 Pages Ribbon and Paper																																																							•	•
IPP-46120G 120 Pages Ribbon and Paper																																																							•	•

The way we think. Exciting features. Distinctive designs. Entirely new products. They're what the world expects of us. And they're what we expect of ourselves. Because we're driven by the thought that even when it's perfect, it can be better. It's why we continually reinvent even our own successful products. And it's a way of thinking that consistently results in products with more power. More productivity. More style. More fun. More everything. We also manufacture many of our own components, so we have the freedom to conceive and design and build and create without limit. Our way of thinking lets us give you exactly the products you want. Which, in the end, are exactly the products we want.

Supplies and Accessories

Remember, Samsung printers and multifunction products work best with genuine Samsung supplies and accessories.

Awards

BUYERS LABORATORY INC. RECOMMENDED 2004 TESTED
SCX-5315F
May 2004

CLP-500
March 2004

SCX-5115
May 2004

ML-2251N
January 2004

SCX-4720F
January 2005

cnet Editors' Top Five 5 2005
ML-1710
January 2004
February 2004
March 2004
April 2004
May 2004
June 2004
October 2004
November 2004
December 2004
January 2005

cnet Editors' Top Five 5 2005
SCX-4720F
February 2005
March 2005
April 2005

CNET.com
Best Business
Lasers Award
CLP-500
April 2004

ML-2152W
April 2004

BJORN3D.COM SEAL OF APPROVAL
ML-1740
June 2004
September 2004

CLP-510N
April 2005

PICK of the YEAR 2004 SAMSUNG ELECTRONICS CLP-500
CLP-500
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CLP-510
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GCN
ML-2151N
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ML-2250
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December 13, 28, 2004
February 7, 22, 2005
March 8, 24, 2005
April 8, 20, 2005

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